



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XU                                 |
| Series name                   | General purpose single mode                 |
| Electronic sensor type        | Photo-electric sensor                       |
| Sensor name                   | XUB   |
| Sensor design                 | Cylindrical M18                             |
| Detection system              | Reflex                                      |
| Material                      | Metal                                       |
| Line of sight type            | 90° lateral                                 |
| Type of output signal         | Discrete                                    |
| Supply circuit type           | DC  |
| Wiring technique              | 3-wire                                      |
| Discrete output type          | PNP   |
| Discrete output function      | 1 NO  |
| Electrical connection         | 1 male connector M12, 4 pins                |
| Product specific application  | -   |
| Emission                      | Infrared reflex                             |
| [Sn] nominal sensing distance | 13.12 ft (4 m) reflex need reflector XUZC50 |

## Complementary

|                          |                           |
|--------------------------|---------------------------|
| Enclosure material       | Nickel plated brass       |
| Lens material            | PMMA                      |
| Maximum sensing distance | 18.04 ft (5.5 m) reflex   |
| Output type              | Solid state               |
| Add on output            | Without                   |
| Wire insulation material | PvR                       |
| Status LED               | 1 LED yellow)output state |

|                           |  |
|---------------------------|--|
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection         |
| Supply voltage limits     | 10...36 V DC                                     |
| Switching capacity in mA  | <= 100 mA overload and short-circuit protection) |
| Switching frequency       | <= 500 Hz  |
| Maximum voltage drop      | <1.5 V closed state)                             |
| Current consumption       | 35 mA no-load                                    |
| Maximum delay first up    | 15 ms  |
| Maximum delay response    | 1 ms   |
| Maximum delay recovery    | 1 ms   |
| Setting-up                | Without sensitivity adjustment                   |
| Diameter                  | 0.71 in (18 mm)                                  |
| Length                    | 1.81 in (46 mm)                                  |
| Net weight                | 0.11 lb(US) (0.05 kg)                            |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CE<br>CSA<br>UL   |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)  |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)  |
| Vibration resistance                  | 7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6   |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27   |
| IP degree of protection               | IP67 double insulation IEC 60529<br>IP65 double insulation IEC 60529<br>IP69K double insulation DIN 40050 |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 1.94 oz (55 g)         |
| Package 1 Height             | 1.65 in (4.2 cm)       |
| Package 1 width              | 2.56 in (6.5 cm)       |
| Package 1 Length             | 3.74 in (9.5 cm)       |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 22                     |
| Package 2 Weight             | 3.02 lb(US) (1.369 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 5.91 in (15 cm)        |
| Package 2 Length             | 15.75 in (40 cm)       |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|